## **Author Index**

Acedo Valenzuela, M.I., see Espinosa-Mansilla, A. 365

Alaee, M., see Zaruk, D. 113

Alciaturi, C.E.

-, Escobar, M.E. and De La Cruz, C.

A numerical procedure for curve fitting of noisy infrared spectra

Amouroux, J., see Ben Rejeb, S. 133

Angel, S.M., see Nivens, D.A. 235

Arefi Khonsari, F., see Ben Rejeb, S. 133

Barceló, D.

-, Oubiña, A., Salau, J.S. and Perez, S.

Determination of PAHs in river water samples by ELISA 49 Bari, V.R.

-. Dhorda, U.J. and Sundaresan, M.

Simultaneous estimation of nalidixic acid and metronidazole in dosage forms using packed column supercritical fluid chromatography 221

Becker, G.

- and Colmsjö, A.

Gas chromatography-atomic emission detection for quantification of polycyclic aromatic sulfur heterocycles 265

Beier, R.C.

- and Stanker, L.H.

4,4'-Dinitrocarbanilide – hapten development utilizing molecular models 139

Ben Rejeb, S.

—, Fischer Durand, N., Martel, A., Poulennec, B.L., Lawrence, J.F., Hennion, M.C. and Le Goffic, F.v.

Development of anti-phenylurea antibody purification techniques for improved environmental applications 41

Ben Rejeb, S.

—, Tatoulian, M., Arefi Khonsari, F., Fischer Durand, N., Martel, A., Lawrence, J.F., Amouroux, J. and Le Goffic, F.v. Functionalization of nitrocellulose membranes using ammonia plasma for the covalent attachment of antibodies for use in membrane-based immunoassays 133

Beppu, Y., see Miyake, S. 97

Beppu, Y., see Morimune, K. 37

Biagini, R.E., see Mastin, J.P. 119

Bijlsma, S.

—, Louwerse (Ad), D.J., Windig, W. and Smilde, A.K. Rapid estimation of rate constants using on-line SW-NIR and trilinear models 339

Blake II, R.C., see Blake, D.A. 13

Blake, D.A.

—, Blake II, R.C., Khosraviani, M. and Pavlov, A.R. Immunoassays for metal ions 13

Bouzige, M., see Pichon, V. 21

Cañada Cañada, F., see Espinosa-Mansilla, A. 365

Casale, E.S., see Thacker, J.D. 61

Centner, V.

-, de Noord, O.E. and Massart, D.L.

Detection of nonlinearity in multivariate calibration 153

Chen, H.-W.

- and Fang, Z.-L.

Combination of flow injection with capillary electrophoresis. Part 4. Automated multicomponent monitoring of drug dissolution 209

Cheng, O.-M., see Lau, O.-W. 197

Chuang, J.C.

—, Miller, L.S., Davis, D.B., Peven, C.S., Johnson, J.C. and Van Emon, J.M.

Analysis of soil and dust samples for polychlorinated biphenyls by enzyme-linked immunosorbent assay (ELISA) 67

Colmsjö, A., see Becker, G. 265

Comba, M., see Zaruk, D. 113

Davis, D.B., see Chuang, J.C. 67

De La Cruz, C., see Alciaturi, C.E. 169

de Noord, O.E., see Centner, V. 153

Dhorda, U.J., see Bari, V.R. 221

Durani, S., see Satyanarayana, K. 273

Escobar, M.E., see Alciaturi, C.E. 169

Espinosa-Mansilla, A.

—, Acedo Valenzuela, M.I., Salinas, F. and Cañada Cañada, F. Kinetic determination of ansamicins in pharmaceutical formulations and human urine. Manual and semiautomatic (stoppedflow) procedures 365

Fang, Z.-L., see Chen, H.-W. 209

Fernández de Córdova, M.L., see Ortega Barrales, P. 227

Fischer Durand, N., see Ben Rejeb, S. 41, 133

Frache, R., see Grotti, M. 293

Gerlach, C.L., see Van Emon, J.M. 55

González, M.J., see Ramos, L. 313

Goodrow, M.H.

- and Hammock, B.D.

Hapten design for compound-selective antibodies: ELISAS for environmentally deleterious small molecules 83

Grotti, M.

-, Leardi, R. and Frache, R.

Empirical modelling of interferences in electrothermal atomization atomic absorption spectrometry 293

Hammock, B.D., see Goodrow, M.H. 83

Hasebe, T., see Saitoh, K. 247

Haswell, S.J., see Savage, I. 145

Hayashi, M., see Watanabe, S. 93

Hennion, M.C., see Ben Rejeb, S. 41

Hennion, M.-C., see Pichon, V. 21

Hernández, L.M., see Ramos, L. 313

Hines, C.J., see Mastin, J.P. 119

Huang, S.-D., see Su, P.-G. 305

Hull, R.D., see Mastin, J.P. 119

Ito, S., see Miyake, S. 97 Ito, S., see Watanabe, S. 93

Johnson, J.C., see Chuang, J.C. 67

Kaczor, M., see Malyszko, J. 357

Karayannis, M.I., see Pettas, I.A. 331

Kawashima, T., see Saitoh, K. 247

Kawata, M., see Morimune, K. 37

Khosraviani, M., see Blake, D.A. 13

Krämer, P.M.

A strategy to validate immunoassay test kits for TNT and PAHs as a field screening method for contaminated sites in Germany 3

Kurihara, M., see Saitoh, K. 247

López-Sánchez, J.F., see Pardo, P. 183

Lafis, S.I., see Pettas, I.A. 331

Laserna, J.J., see Pérez, R. 255

Lau, O.-W.

- and Cheng, O.-M.

Determination of zinc in environmental samples by anodic stripping voltammetry 197

Lawrence, J.F., see Ben Rejeb, S. 41, 133

Le Goffic, F.v., see Ben Rejeb, S. 41, 133

Leardi, R., see Grotti, M. 293

Louwerse (Ad), D.J., see Bijlsma, S. 339

MacKenzie, B.A., see Mastin, J.P. 119

Malyszko, E., see Malyszko, J. 357

Malyszko, J.

—, Malyszko, E., Rutkowska-Ferchichi, E. and Kaczor, M. Kinetics of the electrochemical bromination of some unsaturated fatty acids by the rotating ring-disc electrode technique 357

Marrero, J., see Smichowski, P. 283

Marshall Clark, J., see Tessier, D.M. 103

Martel, A., see Ben Rejeb, S. 41, 133

Massart, D.L., see Centner, V. 153

Mastin, J.P.

—, Striley, C.A.F., Biagini, R.E., Hines, C.J., Hull, R.D., MacKenzie, B.A. and Robertson, S.K.

Use of immunoassays for biomonitoring of herbicide metabolites in urine 119

Matoetoe, M.C., see van Staden, J.F. 325

Miller, L.S., see Chuang, J.C. 67

Miyake, S.

—, Ito, S., Yamaguchi, Y., Beppu, Y., Takewaki, S. and Yuasa, Y. Immunochemical approach for assay of herbicide thiobencarb

Miyake, S., see Morimune, K. 37

Molina Díaz, A., see Ortega Barrales, P. 227

Morimune, K.

—, Yamaguchi, Y., Beppu, Y., Miyake, S., Takewaki, S., Kawata, M. and Yuasa, Y.

Easy-to-use immunoassay for the residue analysis of 2,4,5-T 37 Munakata, H., see Watanabe, S. 93

Nivens, D.A.

-, Zhang, Y. and Angel, S.M.

A fiber-optic pH sensor prepared using a base-catalyzed organosilica sol-gel 235

Omoda, N., see Watanabe, S. 93

Ortega Barrales, P.

-, Fernández de Córdova, M.L. and Molina Díaz, A.

A selective optosensor for UV spectrophotometric determination of thiamine in the presence of other vitamins B 227

Oubiña, A., see Barceló, D. 49

Pérez, R.

-, Rupérez, A. and Laserna, J.J.

Evaluation of silver substrates for surface-enhanced Raman detection of drugs banned in sport practices 255

Pardo, P.

-, López-Sánchez, J.F. and Rauret, G.

Characterisation, validation and comparison of three methods for the extraction of phosphate from sediments 183

Pavlov, A.R., see Blake, D.A. 13

Perez, S., see Barceló, D. 49

Pettas, I.A.

-, Lafis, S.I. and Karayannis, M.I.

Reaction rate method for determination of nitrite by applying a stopped-flow technique 331

Peven, C.S., see Chuang, J.C. 67

Pichon, V.

—, Bouzige, M. and Hennion, M.-C.

New trends in environmental trace-analysis of organic pollutants: class-selective immunoextraction and clean-up in one step using immunosorbents 21

Poulennec, B.L., see Ben Rejeb, S. 41

Ramanaiah, G.V., see Satyanarayana, K. 273

Ramos, L.

-, Tabera, J., Hernández, L.M. and González, M.J.

Selective extraction of polychlorinated biphenyls from dairy products using steam distillation-solvent extraction at normal pressure 313

Rauret, G., see Pardo, P. 183

Robertson, S.K., see Mastin, J.P. 119

Rupérez, A., see Pérez, R. 255

Rutkowska-Ferchichi, E., see Malyszko, J. 357

Sadik, O.A., see Sargent, A. 125

Saitoh, K.

—, Hasebe, T., Teshima, N., Kurihara, M. and Kawashima, T. Simultaneous flow-injection determination of iron(II) and total iron by micelle enhanced luminol chemiluminescence 247

Salau, J.S., see Barceló, D. 49

Salinas, F., see Espinosa-Mansilla, A. 365

Sargent, A.

- and Sadik, O.A.

Pulsed electrochemical technique for monitoring antibody-antigen reactions at interfaces 125

Satyanarayana, K.

-, Durani, S. and Ramanaiah, G.V.

Determination of scandium in geological materials, rare earth minerals and niobate/tantalate-type of samples by inductively coupled plasma atomic emission spectrometry after solvent extraction/acid hydrolysis separation 273

Savage, I.

- and Haswell, S.J.

Multivariate experimental methodology for the evaluation of sample preparation techniques used in simultaneous multielemental analysis using total reflection X-ray fluorescence spectroscopy 145

Smichowski, P.

- and Marrero, J.

Comparative study to evaluate the effect of different acids on the determination of germanium by hydride generation-inductively coupled plasma atomic emission spectrometry 283

Smilde, A.K., see Bijlsma, S. 339

Stanker, L.H., see Beier, R.C. 139

Striley, C.A.F., see Mastin, J.P. 119

Su, P.-G.

— and Huang, S.-D.

Use of 4-(2-pyridylazo)resocinol or 2-(2-pyridylazo)-5dimethylaminophenol as chelating agent for determination of cadmium in seawater by atomic absorption spectrometry with on-line flow-injection sorbent extraction 305

Sundaresan, M., see Bari, V.R. 221

Sverko, E., see Zaruk, D. 113

Tabera, J., see Ramos, L. 313

Takewaki, S., see Miyake, S. 97

Takewaki, S., see Morimune, K. 37

Tatoulian, M., see Ben Rejeb, S. 133

Teshima, N., see Saitoh, K. 247

Tessier, D.M.

— and Marshall Clark, J.

An enzyme immunoassay for mutagenic metabolites of the herbicide alachlor 103

Thacker, J.D.

- and Casale, E.S.

A high-throughput ELISA system for surface water and groundwater analysis 61

Van Emon, J.M.

- and Gerlach, C.L.

Expanding the role of environmental immunoassays: technical capabilities, regulatory issues, and communication vehicles 55

Van Emon, J.M., see Chuang, J.C. 67

van Staden, J.F.

- and Matoetoe, M.C.

Simultaneous determination of traces of iron(II) and iron(III) using differential pulse anodic stripping voltammetry in a flow-through configuration on a glassy carbon electrode 325

Watanabe, S.

—, Ito, S., Omoda, N., Munakata, H., Hayashi, M. and Yuasa, Y. Development of a competitive enzyme-linked immunosorbent assay based on a monoclonal antibody for a fungicide flutolanil 93

Windig, W., see Bijlsma, S. 339

Yamaguchi, Y., see Miyake, S. 97

Yamaguchi, Y., see Morimune, K. 37

Yu, H.

Use of an immunomagnetic separation-fluorescent immunoassay (IMS-FIA) for rapid and high throughput analysis of environmental water samples 77

Yuasa, Y., see Miyake, S. 97

Yuasa, Y., see Morimune, K. 37

Yuasa, Y., see Watanabe, S. 93

Zaruk, D.

-, Alaee, M., Sverko, E. and Comba, M.

Occurrence of triazine herbicides and metolachlor in the Niagara River and other major tributaries draining into Lake Ontario 113 Zhang, Y., see Nivens, D.A. 235

